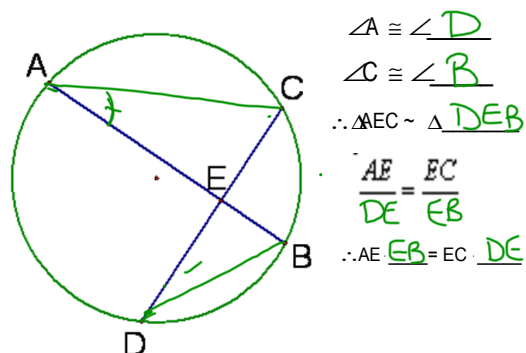
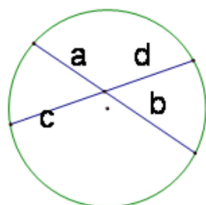


11-6  
Properties of Chords  
Part 2



Theorem 11.11-If two chords intersect inside a circle, then the product of the lengths of the segments of one chord is equal to the product of the lengths of the segments of the other chord.

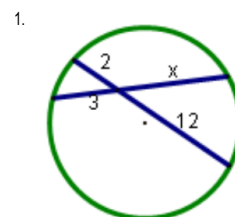
$$a \cdot b = c \cdot d$$



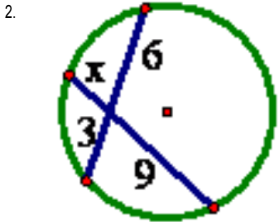
$$3x = 2 \cdot 12$$

$$24$$

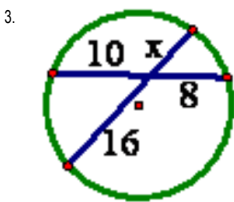
$$x = 8$$



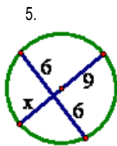
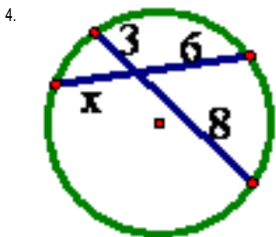
$9x = 6 \cdot 3$   
 $18$   
 $x = 2$



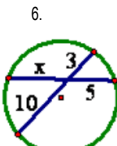
$16x = 8 \cdot 10$   
 $x = 5$



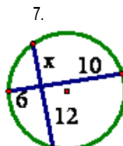
$6x = 24$   
 $x = 4$



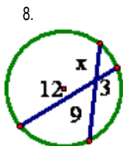
$9x = 6 \cdot 6$   
 $x = 4$



$5x = 10 \cdot 3$   
 $x = 6$



$12x = 6 \cdot 10$   
 $x = 5$



$9x = 12 \cdot 3$   
 $x = 4$

HW

p622 #s 4-9

p623-624 #s 5-7, 20-22